

## ABSTRACT

Provided is a magnetic material with excellent magnetic properties to be used for recording media, which contains small  
5 ratio of superparamagnetic fine particles while maintaining high coercivity. It is spinel ferrimagnetic particles, a composition equation of which when prepared is  $(\text{CoO})_{0.5-x}(\text{NiO})_{0.5-y}(\text{MO})_{x+y} \cdot n/2(\text{Fe}_2\text{O}_3)$  (M is a bivalent metal except Co and Ni) and a value of n (molar ratio) =  $\text{Fe}/(\text{Co} +$   
10  $\text{Ni} + \text{Zn})$  is  $2.0 < n < 3.0$ , which is larger than stoichiometric amount ( $n = 2$ ) of a spinel ferrite and less than that of 1.5 times, and values of x, y satisfy  $0 \leq x < 0.5$ ,  $0 \leq y < 0.5$ ,  $0 < x + y < 0.5$ , wherein, also, superparamagnetic fine particles contained in the spinel ferrimagnetic particles is 5 % by mass  
15 or less.